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Environment Testing  
TestAmerica

## ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix  
4625 East Cotton Ctr Blvd  
Suite 189  
Phoenix, AZ 85040  
Tel: (602)437-3340

Laboratory Job ID: 550-120895-1  
Client Project/Site: Sludge

For:  
San Elijo Joint Powers Auth.  
2695 Manchester Avenue  
Cardiff, California 92007

Attn: Susie Arredondo

Authorized for release by:  
4/19/2019 3:39:38 PM  
Ken Baker, Project Manager II  
(602)659-7624  
[ken.baker@testamericainc.com](mailto:ken.baker@testamericainc.com)

### LINKS

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results through

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Denali\_007523

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# Definitions/Glossary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

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## Qualifiers

### GC/MS VOA

#### Qualifier Qualifier Description

E4 Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.

L5 The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample.

M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.

N1 See case narrative.

### GC/MS Semi VOA

#### Qualifier Qualifier Description

D5 Minimum Reporting Limit (MRL) adjusted due to sample dilution; analyte was non-detect in the sample.

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.

N1 See case narrative.

### GC Semi VOA

#### Qualifier Qualifier Description

D5 Minimum Reporting Limit (MRL) adjusted due to sample dilution; analyte was non-detect in the sample.

N1 See case narrative.

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

### Metals

#### Qualifier Qualifier Description

E2 Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike was acceptable.

### General Chemistry

#### Qualifier Qualifier Description

D2 Sample required dilution due to high concentration of analyte.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike was acceptable.

## Glossary

### Abbreviation

#### These commonly used abbreviations may or may not be present in this report.

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery

CFL Contains Free Liquid

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

ML Minimum Level (Dioxin)

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

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## Definitions/Glossary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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## Case Narrative

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

**Job ID: 550-120895-1**

**Laboratory: Eurofins TestAmerica, Phoenix**

### Narrative

**Job Narrative  
550-120895-1**

### Comments

No additional comments.

### Receipt

The sample was received on 4/10/2019 12:30 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

### GC/MS VOA

Method(s) 8260B: Less than the prescribed amount was used for the extraction of the following samples: SE Sludge Cake (550-120895-1) due to the samples matrix. The sample weights extracted did not fall within +/-25% of the prescribed 5 grams necessary for the analysis of soils by 8260B. The results will be reported and flagged with an N1 qualifier, see analytical batch 550-175150.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### GC/MS Semi VOA

Method(s) 8270C: Due to a dilution of the matrix spike/matrix spike duplicate (MS/MSD), the final results for multiple analytes were calculated below the reporting limit (RL) and/or the method detection limit (MDL) for 550-174969. Due to limitations of TALS, any results <MDL were not calculated and the %R and RPD and were flagged with an M2 qualifier. Final results <RL but >MDL were correctly calculated (%R and RPD) and were flagged appropriately. Affected analytes were flagged with an N1 qualifier in the MS/MSD and parent source.

(550-120907-F-3-D), (550-120907-F-3-B MS) and (550-120907-F-3-C MSD)

Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix: SE Sludge Cake (550-120895-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### GC Semi VOA

Method(s) 8081B: The Decachlorobiphenyl (Surr) in the CCV was outside PCB %D limit but sample surrogates recovered within method criteria therefore the results have been reported. Affected analytes have been added an N1 qualifier.

(CCV 550-174888/60)

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: SE Sludge Cake (550-120895-1). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: SE Sludge Cake (550-120895-1) and (550-120702-A-4-C). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples required a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: SE Sludge Cake (550-120895-1), (LCS 550-174765/2-A), (LCSD 550-174765/3-A), (MB 550-174765/1-A), (550-120702-A-4-C), (550-120702-A-4-A MS) and (550-120702-A-4-B MSD). All treated samples have been added an RA suffix.

Method(s) 8082A: Surrogate recovery for the following sample was outside control limits: (550-120702-A-4-A MS). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed. The affected analyte has been added a N1 flag.

Method(s) 8082A: The Decachlorobiphenyl (Surr) in the CCV was outside PCB %D limit but sample surrogates recovered within method criteria therefore the results have been reported. Affected analytes have been added an N1 qualifier.

(CCV 550-175108/23), (CCV 550-175108/48), (CCV 550-175108/57) and (CCV 550-175108/65)

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## Case Narrative

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Job ID: 550-120895-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Phoenix (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

Method(s) 3546: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Sample is filter cake which is reactive to solvent. Sample weight was reduced from 20g to 5g.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Lab Admin

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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## Sample Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-120895-1	SE Sludge Cake	Solid	04/09/19 10:15	04/10/19 12:30

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Eurofins TestAmerica, Phoenix

## Detection Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

**Client Sample ID: SE Sludge Cake**

**Lab Sample ID: 550-120895-1**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
p-Isopropyltoluene	3000		1400	ug/Kg	1	⊗	8260B	Total/NA
Chromium	28		9.2	mg/Kg	1	⊗	6010C	Total/NA
Copper	610		12	mg/Kg	1	⊗	6010C	Total/NA
Lead	12		4.6	mg/Kg	1	⊗	6010C	Total/NA
Molybdenum	9.8		9.2	mg/Kg	1	⊗	6010C	Total/NA
Nickel	16		9.2	mg/Kg	1	⊗	6010C	Total/NA
Zinc	740		23	mg/Kg	1	⊗	6010C	Total/NA
Mercury	0.89		0.42	mg/Kg	1	⊗	7471B	Total/NA
Nitrogen, Kjeldahl	63000	D2	4400	mg/Kg	20	⊗	351.2	Soluble
Nitrogen, Organic	59000		5.0	mg/Kg	1		Nitrogen,Org	Soluble
Ammonia	4500	D2	230	mg/Kg	10	⊗	SM 4500 NH3 D	Soluble

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This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

**Client Sample ID: SE Sludge Cake**

Date Collected: 04/09/19 10:15

Date Received: 04/10/19 12:30

**Lab Sample ID: 550-120895-1**

Matrix: Solid

Percent Solids: 21.6

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**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		7000	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Methyl tert-butyl ether	ND		700	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Naphthalene	ND		3500	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
n-Butylbenzene	ND		3500	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
n-Propylbenzene	ND		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
o-Xylene	ND		2100	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
<b>p-Isopropyltoluene</b>	<b>3000</b>		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
sec-Butylbenzene	ND		3500	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Styrene	ND	N1	1400	ug/Kg	⌚	04/10/19 23:33	04/17/19 11:35	1
tert-Butylbenzene	ND		3500	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Tetrachloroethene	ND		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Toluene	ND		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
trans-1,2-Dichloroethene	ND		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
trans-1,3-Dichloropropene	ND		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Trichloroethene	ND		1400	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Trichlorofluoromethane	ND		3500	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Vinyl acetate	ND		18000	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Vinyl chloride	ND	L5	700	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
Xylenes, Total	ND		4200	ug/Kg	⌚	04/10/19 23:33	04/15/19 16:22	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Dibromofluoromethane (Surr)	89		33 - 150			04/10/19 23:33	04/15/19 16:22	1
Dibromofluoromethane (Surr)	87		33 - 150			04/10/19 23:33	04/17/19 11:35	1
Toluene-d8 (Surr)	71		35 - 150			04/10/19 23:33	04/15/19 16:22	1
Toluene-d8 (Surr)	85		35 - 150			04/10/19 23:33	04/17/19 11:35	1
4-Bromofluorobenzene (Surr)	76		32 - 150			04/10/19 23:33	04/15/19 16:22	1
4-Bromofluorobenzene (Surr)	95		32 - 150			04/10/19 23:33	04/17/19 11:35	1

**Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
1,2-Dichlorobenzene	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
1,2-Diphenylhydrazine	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
1,3-Dichlorobenzene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
1,4-Dichlorobenzene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,4,5-Trichlorophenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,4,6-Trichlorophenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,4-Dichlorophenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,4-Dimethylphenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,4-Dinitrophenol	ND	D5	450	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,4-Dinitrotoluene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2,6-Dinitrotoluene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2-Chloronaphthalene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2-Chlorophenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2-Methylnaphthalene	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2-Methylphenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2-Nitroaniline	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
2-Nitrophenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
3 & 4 Methylphenol	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
3,3'-Dichlorobenzidine	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10

Eurofins TestAmerica, Phoenix

# Client Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

**Client Sample ID: SE Sludge Cake**

Date Collected: 04/09/19 10:15

Date Received: 04/10/19 12:30

**Lab Sample ID: 550-120895-1**

Matrix: Solid

Percent Solids: 21.6

**Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4,6-Dinitro-2-methylphenol	ND	D5	450	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4-Bromophenyl phenyl ether	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4-Chloro-3-methylphenol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4-Chloroaniline	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4-Chlorophenyl phenyl ether	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4-Nitroaniline	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
4-Nitrophenol	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Acenaphthene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Acenaphthylene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Anthracene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzo[a]anthracene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzo[a]pyrene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzo[b]fluoranthene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzo[g,h,i]perylene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzo[k]fluoranthene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzoic acid	ND	D5	180	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Benzyl alcohol	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Bis(2-chloroethoxy)methane	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Bis(2-chloroethyl)ether	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
bis (2-chloroisopropyl) ether	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Bis(2-ethylhexyl) phthalate	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Butyl benzyl phthalate	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Chrysene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Dibenz(a,h)anthracene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Dibenzofuran	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Diethyl phthalate	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Dimethyl phthalate	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Di-n-butyl phthalate	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Di-n-octyl phthalate	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Fluoranthene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Fluorene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Hexachlorobutadiene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Hexachlorobenzene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Hexachlorocyclopentadiene	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Hexachloroethane	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Indeno[1,2,3-cd]pyrene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Isophorone	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Naphthalene	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Nitrobenzene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
N-Nitrosodi-n-propylamine	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
N-Nitrosodiphenylamine	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Pentachlorophenol	ND	D5	180	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Phenanthrene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Phenol	ND	D5	90	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10
Pyrene	ND	D5	45	mg/Kg	⌚	04/12/19 16:17	04/15/19 20:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	79		13 - 100	04/12/19 16:17	04/15/19 20:55	10
Nitrobenzene-d5 (Surr)	72		10 - 100	04/12/19 16:17	04/15/19 20:55	10

Eurofins TestAmerica, Phoenix



# Client Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Client Sample ID: SE Sludge Cake

Date Collected: 04/09/19 10:15  
Date Received: 04/10/19 12:30

Lab Sample ID: 550-120895-1  
Matrix: Solid  
Percent Solids: 21.6

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### Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		4.6	mg/Kg	⌚	04/11/19 15:32	04/16/19 07:01	1
Molybdenum	9.8		9.2	mg/Kg	⌚	04/11/19 15:32	04/16/19 07:01	1
Nickel	16		9.2	mg/Kg	⌚	04/11/19 15:32	04/16/19 07:01	1
Selenium	ND		23	mg/Kg	⌚	04/11/19 15:32	04/16/19 07:01	1
Silver	ND		12	mg/Kg	⌚	04/11/19 15:32	04/16/19 07:01	1
Zinc	740		23	mg/Kg	⌚	04/11/19 15:32	04/16/19 07:01	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.89		0.42	mg/Kg	⌚	04/12/19 12:08	04/12/19 16:54	1

### General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	78.4		0.1	%			04/11/19 12:34	1
Percent Solids	21.6		0.1	%			04/11/19 12:34	1

### General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	63000	D2	4400	mg/Kg	⌚	04/17/19 13:15	04/18/19 16:37	20
Nitrogen, Organic	59000		5.0	mg/Kg			04/19/19 15:17	1
Ammonia	4500	D2	230	mg/Kg	⌚		04/17/19 01:43	10

Eurofins TestAmerica, Phoenix

## Surrogate Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

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#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBFM (33-150)	TOL (35-150)	BFB (32-150)						
550-120730-A-1-D MS	Matrix Spike	107	100	107						
550-120730-A-1-E MSD	Matrix Spike Duplicate	110	104	103						
550-120895-1	SE Sludge Cake	89	71	76						
550-120895-1	SE Sludge Cake	87	85	95						
LCS 550-174781/2-A	Lab Control Sample	104	103	104						
LCSD 550-174781/3-A	Lab Control Sample Dup	103	102	102						
MB 550-174781/1-A	Method Blank	111	104	108						

#### Surrogate Legend

DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)

### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2FP (13-100)	NBZ (10-100)	FBP (17-100)	TBP (10-107)	TPHd14 (17-100)	PHL (15-100)			
550-120895-1 - DL	SE Sludge Cake	79	72	82	106	87	76			
550-120907-F-3-B MS - DL	Matrix Spike	69	70	75	77	79	70			
550-120907-F-3-C MSD - DL	Matrix Spike Duplicate	71	73	73	76	78	73			
LCS 550-174886/2-A	Lab Control Sample	79	75	73	83	77	76			
LCSD 550-174886/3-A	Lab Control Sample Dup	77	74	76	78	77	76			
MB 550-174886/1-A	Method Blank	75	70	71	67	77	75			

#### Surrogate Legend

2FP = 2-Fluorophenol (Surr)  
NBZ = Nitrobenzene-d5 (Surr)  
FBP = 2-Fluorobiphenyl (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)  
TPHd14 = p-Terphenyl-d14 (Surr)  
PHL = Phenol-d5 (Surr)

### Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (17-129)								
550-120562-A-1-A MS	Matrix Spike	71								
550-120562-A-1-B MSD	Matrix Spike Duplicate	65								
550-120895-1 - DL	SE Sludge Cake	41								
LCS 550-174610/2-A	Lab Control Sample	81								
LCSD 550-174610/3-A	Lab Control Sample Dup	86								
MB 550-174610/1-A	Method Blank	86								

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

Eurofins TestAmerica, Phoenix

## Surrogate Summary

Client: San Elijo Joint Powers Auth.

Job ID: 550-120895-1

Project/Site: Sludge

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

**Matrix: Solid**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (20-136)	DCB1 (17-129)
550-120702-A-4-A MS - RA	Matrix Spike	145 N1	70
550-120702-A-4-B MSD - RA	Matrix Spike Duplicate	94	76
550-120895-1 - RA	SE Sludge Cake	99	62
LCS 550-174765/2-A - RA	Lab Control Sample	93	114
LCSD 550-174765/3-A - RA	Lab Control Sample Dup	111	124
MB 550-174765/1-A - RA	Method Blank	73	91

### Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

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Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 550-174781/1-A**  
**Matrix: Solid**  
**Analysis Batch: 174883**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 174781**

Analyte	MB Result	MB Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,1,1-Trichloroethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,1,2,2-Tetrachloroethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,1,2-Trichloroethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,1-Dichloroethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,1-Dichloroethene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,1-Dichloropropene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2,3-Trichlorobenzene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2,3-Trichloropropane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2,4-Trichlorobenzene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2,4-Trimethylbenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2-Dibromo-3-Chloropropane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2-Dibromoethane (EDB)	ND		25	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2-Dichlorobenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2-Dichloroethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,2-Dichloropropane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,3,5-Trimethylbenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,3-Dichlorobenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,3-Dichloropropane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
1,4-Dichlorobenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
2,2-Dichloropropane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
2-Butanone (MEK)	ND		500	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
2-Chlorotoluene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
2-Hexanone	ND		500	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
4-Chlorotoluene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
4-Methyl-2-pentanone (MIBK)	ND		500	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Acetone	ND		1000	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Benzene	ND		50	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Bromobenzene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Bromochloromethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Bromodichloromethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Bromoform	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Bromomethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Carbon disulfide	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Carbon tetrachloride	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Chlorobenzene	ND		50	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Chloroethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Chloroform	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Chloromethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
cis-1,2-Dichloroethene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
cis-1,3-Dichloropropene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Chlorodibromomethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Dibromomethane	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Dichlorodifluoromethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Ethylbenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Hexachlorobutadiene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Iodomethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27	1
Isopropylbenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27	1

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 550-174781/1-A**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND		150	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Methylene Chloride	ND		500	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Methyl tert-butyl ether	ND		50	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Naphthalene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
n-Butylbenzene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
n-Propylbenzene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
o-Xylene	ND		150	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
p-Isopropyltoluene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
sec-Butylbenzene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Styrene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
tert-Butylbenzene	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Tetrachloroethene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Toluene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
trans-1,2-Dichloroethene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
trans-1,3-Dichloropropene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Trichloroethene	ND		100	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Trichlorofluoromethane	ND		250	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Vinyl acetate	ND		1300	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Vinyl chloride	ND		50	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Xylenes, Total	ND		300	ug/Kg	04/12/19 00:34	04/12/19 18:27		1
Surrogate	MB %Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		33 - 150			04/12/19 00:34	04/12/19 18:27	1
Toluene-d8 (Surr)	104		35 - 150			04/12/19 00:34	04/12/19 18:27	1
4-Bromofluorobenzene (Surr)	108		32 - 150			04/12/19 00:34	04/12/19 18:27	1

**Lab Sample ID: LCS 550-174781/2-A**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1,2-Tetrachloroethane	1260	1250		ug/Kg		99	74 - 114	
1,1,1-Trichloroethane	1260	1230		ug/Kg		98	68 - 120	
1,1,2,2-Tetrachloroethane	1260	1200		ug/Kg		96	63 - 117	
1,1,2-Trichloroethane	1260	1150		ug/Kg		92	72 - 116	
1,1-Dichloroethane	1260	1230		ug/Kg		98	70 - 122	
1,1-Dichloroethene	1260	1200		ug/Kg		96	65 - 115	
1,1-Dichloropropene	1260	1240		ug/Kg		99	67 - 117	
1,2,3-Trichlorobenzene	1260	1290		ug/Kg		102	53 - 166	
1,2,3-Trichloropropane	1260	1090		ug/Kg		87	64 - 118	
1,2,4-Trichlorobenzene	1260	1300		ug/Kg		104	59 - 156	
1,2,4-Trimethylbenzene	1260	1250		ug/Kg		100	71 - 114	
1,2-Dibromo-3-Chloropropane	1260	1140		ug/Kg		91	47 - 137	
1,2-Dibromoethane (EDB)	1260	1250		ug/Kg		100	73 - 116	
1,2-Dichlorobenzene	1260	1210		ug/Kg		97	76 - 113	
1,2-Dichloroethane	1260	1220		ug/Kg		97	69 - 132	
1,2-Dichloropropane	1260	1230		ug/Kg		98	75 - 121	
1,3,5-Trimethylbenzene	1260	1280		ug/Kg		102	69 - 115	

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 550-174781/2-A**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,3-Dichlorobenzene	1260	1210		ug/Kg	96	75 - 110		
1,3-Dichloropropane	1260	1200		ug/Kg	96	74 - 117		
1,4-Dichlorobenzene	1260	1300		ug/Kg	103	74 - 109		
2,2-Dichloropropane	1260	1240		ug/Kg	99	61 - 126		
2-Butanone (MEK)	1260	829		ug/Kg	66	27 - 113		
2-Chlorotoluene	1260	1100		ug/Kg	87	66 - 115		
2-Hexanone	1260	835		ug/Kg	67	29 - 123		
4-Chlorotoluene	1260	1220		ug/Kg	97	57 - 130		
4-Methyl-2-pentanone (MIBK)	1260	1170		ug/Kg	93	48 - 135		
Acetone	1260	454	E4	ug/Kg	36	15 - 130		
Benzene	1260	1260		ug/Kg	100	74 - 112		
Bromobenzene	1260	1180		ug/Kg	94	73 - 113		
Bromochloromethane	1260	1240		ug/Kg	99	74 - 119		
Bromodichloromethane	1260	1200		ug/Kg	96	72 - 118		
Bromoform	1260	976		ug/Kg	78	60 - 105		
Bromomethane	1260	1390		ug/Kg	111	39 - 130		
Carbon disulfide	1260	1270		ug/Kg	101	45 - 117		
Carbon tetrachloride	1260	1200		ug/Kg	95	63 - 117		
Chlorobenzene	1260	1250		ug/Kg	100	76 - 111		
Chloroethane	1260	1320		ug/Kg	105	33 - 132		
Chloroform	1260	1230		ug/Kg	98	71 - 123		
Chloromethane	1260	1370		ug/Kg	109	34 - 111		
cis-1,2-Dichloroethene	1260	1300		ug/Kg	104	68 - 122		
cis-1,3-Dichloropropene	1260	1230		ug/Kg	98	73 - 120		
Chlorodibromomethane	1260	1170		ug/Kg	93	71 - 114		
Dibromomethane	1260	1230		ug/Kg	98	70 - 115		
Dichlorodifluoromethane	1260	918		ug/Kg	73	8 - 94		
Ethylbenzene	1260	1300		ug/Kg	104	75 - 115		
Hexachlorobutadiene	1260	1390		ug/Kg	111	66 - 142		
Iodomethane	1260	1290		ug/Kg	103	55 - 128		
Isopropylbenzene	1260	1260		ug/Kg	101	65 - 112		
m,p-Xylenes	1260	1150		ug/Kg	92	76 - 114		
Methylene Chloride	1260	1290		ug/Kg	103	65 - 121		
Methyl tert-butyl ether	1260	1320		ug/Kg	105	66 - 139		
Naphthalene	1260	1170		ug/Kg	93	49 - 150		
n-Butylbenzene	1260	1430		ug/Kg	114	71 - 122		
n-Propylbenzene	1260	1310		ug/Kg	104	67 - 115		
o-Xylene	1260	1200		ug/Kg	95	76 - 113		
p-Isopropyltoluene	1260	1370		ug/Kg	109	74 - 114		
sec-Butylbenzene	1260	1380		ug/Kg	110	71 - 115		
Styrene	1260	1310		ug/Kg	104	76 - 120		
tert-Butylbenzene	1260	1310		ug/Kg	104	68 - 113		
Tetrachloroethene	1260	1250		ug/Kg	100	68 - 111		
Toluene	1260	1210		ug/Kg	97	74 - 115		
trans-1,2-Dichloroethene	1260	1230		ug/Kg	98	66 - 119		
trans-1,3-Dichloropropene	1260	1210		ug/Kg	97	71 - 120		
Trichloroethene	1260	1220		ug/Kg	97	73 - 116		
Trichlorofluoromethane	1260	1320		ug/Kg	105	55 - 124		
Vinyl acetate	1260	1530		ug/Kg	122	48 - 136		

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 550-174781/2-A**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Vinyl chloride	1260	1360	L5	ug/Kg		108	10 - 100
Xylenes, Total	2510	2350		ug/Kg		94	76 - 114

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	104		33 - 150
Toluene-d8 (Surr)	103		35 - 150
4-Bromofluorobenzene (Surr)	104		32 - 150

**Lab Sample ID: LCSD 550-174781/3-A**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	1250	1250		ug/Kg		100	74 - 114	0	20
1,1,1-Trichloroethane	1250	1260		ug/Kg		101	68 - 120	2	20
1,1,2,2-Tetrachloroethane	1250	1180		ug/Kg		95	63 - 117	1	20
1,1,2-Trichloroethane	1250	1120		ug/Kg		90	72 - 116	3	20
1,1-Dichloroethane	1250	1290		ug/Kg		103	70 - 122	5	20
1,1-Dichloroethene	1250	1240		ug/Kg		100	65 - 115	4	20
1,1-Dichloropropene	1250	1250		ug/Kg		100	67 - 117	1	20
1,2,3-Trichlorobenzene	1250	1370		ug/Kg		110	53 - 166	6	20
1,2,3-Trichloropropane	1250	1090		ug/Kg		88	64 - 118	1	20
1,2,4-Trichlorobenzene	1250	1360		ug/Kg		109	59 - 156	4	20
1,2,4-Trimethylbenzene	1250	1260		ug/Kg		101	71 - 114	1	20
1,2-Dibromo-3-Chloropropane	1250	1170		ug/Kg		94	47 - 137	2	27
1,2-Dibromoethane (EDB)	1250	1200		ug/Kg		97	73 - 116	4	20
1,2-Dichlorobenzene	1250	1230		ug/Kg		99	76 - 113	2	20
1,2-Dichloroethane	1250	1190		ug/Kg		95	69 - 132	3	20
1,2-Dichloropropane	1250	1240		ug/Kg		100	75 - 121	1	20
1,3,5-Trimethylbenzene	1250	1290		ug/Kg		103	69 - 115	1	20
1,3-Dichlorobenzene	1250	1210		ug/Kg		97	75 - 110	0	20
1,3-Dichloropropane	1250	1140		ug/Kg		91	74 - 117	5	20
1,4-Dichlorobenzene	1250	1310		ug/Kg		106	74 - 109	1	20
2,2-Dichloropropane	1250	1310		ug/Kg		105	61 - 126	5	20
2-Butanone (MEK)	1250	862		ug/Kg		69	27 - 113	4	40
2-Chlorotoluene	1250	1090		ug/Kg		88	66 - 115	0	20
2-Hexanone	1250	814		ug/Kg		65	29 - 123	3	33
4-Chlorotoluene	1250	1230		ug/Kg		99	57 - 130	1	20
4-Methyl-2-pentanone (MIBK)	1250	1060		ug/Kg		85	48 - 135	10	31
Acetone	1250	625	E4	ug/Kg		50	15 - 130	32	33
Benzene	1250	1240		ug/Kg		100	74 - 112	1	20
Bromobenzene	1250	1170		ug/Kg		94	73 - 113	1	20
Bromochloromethane	1250	1220		ug/Kg		98	74 - 119	2	20
Bromodichloromethane	1250	1170		ug/Kg		94	72 - 118	3	20
Bromoform	1250	975		ug/Kg		78	60 - 105	0	20
Bromomethane	1250	1380		ug/Kg		111	39 - 130	0	20
Carbon disulfide	1250	1300		ug/Kg		105	45 - 117	3	20
Carbon tetrachloride	1250	1220		ug/Kg		98	63 - 117	2	20

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 550-174781/3-A**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
Chlorobenzene	1250	1250		ug/Kg		100	76 - 111	0	20
Chloroethane	1250	1320		ug/Kg		106	33 - 132	0	21
Chloroform	1250	1250		ug/Kg		100	71 - 123	1	20
Chloromethane	1250	1430	L5	ug/Kg		115	34 - 111	4	23
cis-1,2-Dichloroethene	1250	1280		ug/Kg		103	68 - 122	2	20
cis-1,3-Dichloropropene	1250	1190		ug/Kg		96	73 - 120	3	20
Chlorodibromomethane	1250	1150		ug/Kg		92	71 - 114	2	20
Dibromomethane	1250	1120		ug/Kg		90	70 - 115	10	20
Dichlorodifluoromethane	1250	1030		ug/Kg		83	8 - 94	12	38
Ethylbenzene	1250	1310		ug/Kg		105	75 - 115	0	20
Hexachlorobutadiene	1250	1500		ug/Kg		121	66 - 142	8	20
Iodomethane	1250	1300		ug/Kg		105	55 - 128	1	20
Isopropylbenzene	1250	1240		ug/Kg		100	65 - 112	1	20
m,p-Xylenes	1250	1160		ug/Kg		93	76 - 114	0	20
Methylene Chloride	1250	1290		ug/Kg		103	65 - 121	0	20
Methyl tert-butyl ether	1250	1340		ug/Kg		108	66 - 139	2	20
Naphthalene	1250	1280		ug/Kg		103	49 - 150	9	20
n-Butylbenzene	1250	1500		ug/Kg		121	71 - 122	5	20
n-Propylbenzene	1250	1310		ug/Kg		105	67 - 115	0	20
o-Xylene	1250	1150		ug/Kg		92	76 - 113	4	20
p-Isopropyltoluene	1250	1400		ug/Kg		112	74 - 114	2	20
sec-Butylbenzene	1250	1380		ug/Kg		111	71 - 115	0	20
Styrene	1250	1290		ug/Kg		104	76 - 120	2	20
tert-Butylbenzene	1250	1300		ug/Kg		104	68 - 113	1	20
Tetrachloroethene	1250	1250		ug/Kg		100	68 - 111	0	20
Toluene	1250	1210		ug/Kg		97	74 - 115	1	20
trans-1,2-Dichloroethene	1250	1280		ug/Kg		103	66 - 119	5	20
trans-1,3-Dichloropropene	1250	1180		ug/Kg		95	71 - 120	3	20
Trichloroethene	1250	1230		ug/Kg		98	73 - 116	0	20
Trichlorofluoromethane	1250	1360		ug/Kg		109	55 - 124	3	20
Vinyl acetate	1250	1460		ug/Kg		117	48 - 136	5	23
Vinyl chloride	1250	1420	L5	ug/Kg		114	10 - 100	5	25
Xylenes, Total	2490	2310		ug/Kg		93	76 - 114	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromo fluoro methane (Surr)	103		33 - 150
Toluene-d8 (Surr)	102		35 - 150
4-Bromo fluoro benzene (Surr)	102		32 - 150

**Lab Sample ID: 550-120730-A-1-D MS**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1,2-Tetrachloroethane	ND		1240	1270		ug/Kg		102	58 - 122	
1,1,1-Trichloroethane	ND		1240	1240		ug/Kg		100	51 - 125	
1,1,2,2-Tetrachloroethane	ND		1240	1330		ug/Kg		107	49 - 119	
1,1,2-Trichloroethane	ND		1240	1180		ug/Kg		95	59 - 123	

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 550-120730-A-1-D MS**

**Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 174781**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethane	ND		1240	1330		ug/Kg	107	56 - 123	
1,1-Dichloroethene	ND		1240	1240		ug/Kg	100	47 - 117	
1,1-Dichloropropene	ND		1240	1210		ug/Kg	98	53 - 119	
1,2,3-Trichlorobenzene	ND		1240	1230		ug/Kg	91	48 - 182	
1,2,3-Trichloropropane	ND		1240	1280		ug/Kg	103	53 - 118	
1,2,4-Trichlorobenzene	ND		1240	1190		ug/Kg	89	50 - 150	
1,2,4-Trimethylbenzene	ND		1240	1240		ug/Kg	98	47 - 132	
1,2-Dibromo-3-Chloropropane	ND		1240	1340		ug/Kg	108	45 - 130	
1,2-Dibromoethane (EDB)	ND		1240	1310		ug/Kg	106	59 - 122	
1,2-Dichlorobenzene	ND		1240	1240		ug/Kg	97	61 - 123	
1,2-Dichloroethane	ND		1240	1300		ug/Kg	105	58 - 132	
1,2-Dichloropropane	ND		1240	1280		ug/Kg	103	60 - 124	
1,3,5-Trimethylbenzene	ND		1240	1210		ug/Kg	96	51 - 123	
1,3-Dichlorobenzene	ND		1240	1210		ug/Kg	95	60 - 119	
1,3-Dichloropropane	ND		1240	1230		ug/Kg	98	60 - 121	
1,4-Dichlorobenzene	ND		1240	1320		ug/Kg	104	59 - 118	
2,2-Dichloropropane	ND		1240	1260		ug/Kg	101	46 - 129	
2-Butanone (MEK)	ND		1240	909		ug/Kg	73	32 - 108	
2-Chlorotoluene	ND		1240	1100		ug/Kg	87	53 - 120	
2-Hexanone	ND		1240	939		ug/Kg	76	32 - 120	
4-Chlorotoluene	ND		1240	1290		ug/Kg	101	47 - 105	
4-Methyl-2-pentanone (MIBK)	ND		1240	1190		ug/Kg	95	44 - 132	
Acetone	ND		1240	ND		ug/Kg	52	10 - 132	
Benzene	ND		1240	1270		ug/Kg	103	59 - 114	
Bromobenzene	ND		1240	1260		ug/Kg	99	59 - 118	
Bromochloromethane	ND		1240	1370		ug/Kg	110	60 - 123	
Bromodichloromethane	ND		1240	1250		ug/Kg	101	59 - 123	
Bromoform	ND		1240	1110		ug/Kg	89	49 - 102	
Bromomethane	ND		1240	1450		ug/Kg	117	25 - 129	
Carbon disulfide	ND		1240	1300		ug/Kg	104	29 - 109	
Carbon tetrachloride	ND		1240	1160		ug/Kg	94	48 - 117	
Chlorobenzene	ND		1240	1260		ug/Kg	100	60 - 120	
Chloroethane	ND		1240	1420		ug/Kg	114	22 - 126	
Chloroform	ND		1240	1310		ug/Kg	105	58 - 129	
Chloromethane	ND	M1 L3	1240	1500	M1	ug/Kg	120	20 - 100	
cis-1,2-Dichloroethene	ND		1240	1310		ug/Kg	106	57 - 130	
cis-1,3-Dichloropropene	ND		1240	1240		ug/Kg	99	59 - 126	
Chlorodibromomethane	ND		1240	1220		ug/Kg	97	58 - 117	
Dibromomethane	ND		1240	1230		ug/Kg	98	57 - 120	
Dichlorodifluoromethane	ND		1240	929		ug/Kg	75	10 - 100	
Ethylbenzene	ND		1240	1260		ug/Kg	100	60 - 121	
Hexachlorobutadiene	ND		1240	781		ug/Kg	61	25 - 176	
Iodomethane	ND		1240	1370		ug/Kg	110	41 - 120	
Isopropylbenzene	ND		1240	1320		ug/Kg	102	50 - 117	
m,p-Xylenes	ND		1240	1160		ug/Kg	91	59 - 122	
Methylene Chloride	ND		1240	1420		ug/Kg	114	57 - 117	
Methyl tert-butyl ether	ND		1240	1480		ug/Kg	119	58 - 142	
Naphthalene	ND		1240	1370		ug/Kg	95	46 - 162	
n-Butylbenzene	ND		1240	1210		ug/Kg	94	49 - 138	

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-120730-A-1-D MS		Client Sample ID: Matrix Spike							
Matrix: Solid		Prep Type: Total/NA							
Analysis Batch: 174883		Prep Batch: 174781							
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
n-Propylbenzene	ND		1240	1260		ug/Kg		100	52 - 121
o-Xylene	ND		1240	1200		ug/Kg		96	59 - 120
p-Isopropyltoluene	ND		1240	1270		ug/Kg		97	55 - 125
sec-Butylbenzene	ND		1240	1220		ug/Kg		97	52 - 124
Styrene	ND		1240	1380		ug/Kg		110	65 - 127
tert-Butylbenzene	ND		1240	1190		ug/Kg		95	52 - 119
Tetrachloroethene	ND		1240	1150		ug/Kg		93	52 - 112
Toluene	ND		1240	1210		ug/Kg		95	60 - 120
trans-1,2-Dichloroethene	ND		1240	1260		ug/Kg		101	55 - 120
trans-1,3-Dichloropropene	ND		1240	1230		ug/Kg		97	58 - 128
Trichloroethene	ND		1240	1210		ug/Kg		97	57 - 126
Trichlorofluoromethane	ND		1240	1320		ug/Kg		106	39 - 119
Vinyl acetate	ND		1240	1610		ug/Kg		130	10 - 149
Vinyl chloride	ND	M1 L3	1240	1440	M1	ug/Kg		116	10 - 100
Xylenes, Total	ND		2490	2360		ug/Kg		95	56 - 126
Surrogate	MS %Recovery	MS Qualifier	Limits						
Dibromofluoromethane (Surr)	107		33 - 150						
Toluene-d8 (Surr)	100		35 - 150						
4-Bromofluorobenzene (Surr)	107		32 - 150						

Lab Sample ID: 550-120730-A-1-E MSD  
Matrix: Solid  
Analysis Batch: 174883

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 174781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		1240	1260		ug/Kg		101	58 - 122	1	20
1,1,1-Trichloroethane	ND		1240	1320		ug/Kg		106	51 - 125	6	21
1,1,2,2-Tetrachloroethane	ND		1240	1310		ug/Kg		106	49 - 119	1	28
1,1,2-Trichloroethane	ND		1240	1210		ug/Kg		97	59 - 123	2	23
1,1-Dichloroethane	ND		1240	1340		ug/Kg		108	56 - 123	1	24
1,1-Dichloroethene	ND		1240	1300		ug/Kg		105	47 - 117	4	23
1,1-Dichloropropene	ND		1240	1240		ug/Kg		100	53 - 119	2	20
1,2,3-Trichlorobenzene	ND		1240	1260		ug/Kg		94	48 - 182	3	38
1,2,3-Trichloropropane	ND		1240	1230		ug/Kg		100	53 - 118	4	27
1,2,4-Trichlorobenzene	ND		1240	1240		ug/Kg		92	50 - 150	3	37
1,2,4-Trimethylbenzene	ND		1240	1210		ug/Kg		95	47 - 132	3	20
1,2-Dibromo-3-Chloropropane	ND		1240	1380		ug/Kg		111	45 - 130	3	31
1,2-Dibromoethane (EDB)	ND		1240	1350		ug/Kg		109	59 - 122	3	22
1,2-Dichlorobenzene	ND		1240	1230		ug/Kg		96	61 - 123	1	26
1,2-Dichloroethane	ND		1240	1320		ug/Kg		106	58 - 132	1	24
1,2-Dichloropropane	ND		1240	1270		ug/Kg		102	60 - 124	1	20
1,3,5-Trimethylbenzene	ND		1240	1230		ug/Kg		98	51 - 123	1	20
1,3-Dichlorobenzene	ND		1240	1210		ug/Kg		94	60 - 119	0	26
1,3-Dichloropropane	ND		1240	1260		ug/Kg		101	60 - 121	2	21
1,4-Dichlorobenzene	ND		1240	1340		ug/Kg		105	59 - 118	1	25
2,2-Dichloropropane	ND		1240	1360		ug/Kg		110	46 - 129	8	25
2-Butanone (MEK)	ND		1240	1000		ug/Kg		81	32 - 108	10	31

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-120730-A-1-E MSD					Client Sample ID: Matrix Spike Duplicate						
					Prep Type: Total/NA						
					Prep Batch: 174781						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
2-Chlorotoluene	ND		1240	1080		ug/Kg	86	53 - 120	1	25	1
2-Hexanone	ND		1240	980		ug/Kg	79	32 - 120	4	38	2
4-Chlorotoluene	ND		1240	1230		ug/Kg	96	47 - 105	4	26	3
4-Methyl-2-pentanone (MIBK)	ND		1240	1210		ug/Kg	98	44 - 132	2	35	4
Acetone	ND		1240	ND		ug/Kg	51	10 - 132	2	39	5
Benzene	ND		1240	1270		ug/Kg	102	59 - 114	0	20	6
Bromobenzene	ND		1240	1220		ug/Kg	96	59 - 118	3	25	7
Bromoform	ND		1240	1100		ug/Kg	89	49 - 102	1	28	8
Bromomethane	ND		1240	1490		ug/Kg	120	25 - 129	2	37	9
Carbon disulfide	ND		1240	1300		ug/Kg	105	29 - 109	0	27	10
Carbon tetrachloride	ND		1240	1210		ug/Kg	98	48 - 117	4	20	11
Chlorobenzene	ND		1240	1250		ug/Kg	99	60 - 120	1	20	12
Chloroethane	ND		1240	1450		ug/Kg	117	22 - 126	2	37	13
Chloroform	ND		1240	1340		ug/Kg	108	58 - 129	3	22	14
Chloromethane	ND M1 L3		1240	1530	M1	ug/Kg	123	20 - 100	2	38	15
cis-1,2-Dichloroethene	ND		1240	1320		ug/Kg	106	57 - 130	1	20	1
cis-1,3-Dichloropropene	ND		1240	1260		ug/Kg	100	59 - 126	1	20	2
Chlorodibromomethane	ND		1240	1230		ug/Kg	98	58 - 117	1	20	3
Dibromomethane	ND		1240	1260		ug/Kg	100	57 - 120	2	22	4
Dichlorodifluoromethane	ND		1240	1050		ug/Kg	85	10 - 100	12	40	5
Ethylbenzene	ND		1240	1290		ug/Kg	103	60 - 121	3	20	6
Hexachlorobutadiene	ND		1240	880		ug/Kg	69	25 - 176	12	38	7
Iodomethane	ND		1240	1360		ug/Kg	110	41 - 120	1	22	8
Isopropylbenzene	ND		1240	1240		ug/Kg	96	50 - 117	6	25	9
m,p-Xylenes	ND		1240	1130		ug/Kg	89	59 - 122	2	20	10
Methylene Chloride	ND		1240	1420		ug/Kg	114	57 - 117	0	27	11
Methyl tert-butyl ether	ND		1240	1470		ug/Kg	118	58 - 142	1	28	12
Naphthalene	ND		1240	1350		ug/Kg	94	46 - 162	1	28	13
n-Butylbenzene	ND		1240	1280		ug/Kg	100	49 - 138	5	20	14
n-Propylbenzene	ND		1240	1260		ug/Kg	100	52 - 121	0	22	15
o-Xylene	ND		1240	1190		ug/Kg	95	59 - 120	1	20	1
p-Isopropyltoluene	ND		1240	1280		ug/Kg	98	55 - 125	1	26	2
sec-Butylbenzene	ND		1240	1240		ug/Kg	99	52 - 124	2	27	3
Styrene	ND		1240	1350		ug/Kg	108	65 - 127	2	21	4
tert-Butylbenzene	ND		1240	1200		ug/Kg	96	52 - 119	0	26	5
Tetrachloroethene	ND		1240	1200		ug/Kg	97	52 - 112	4	20	6
Toluene	ND		1240	1220		ug/Kg	97	60 - 120	2	20	7
trans-1,2-Dichloroethene	ND		1240	1330		ug/Kg	107	55 - 120	6	23	8
trans-1,3-Dichloropropene	ND		1240	1250		ug/Kg	99	58 - 128	2	23	9
Trichloroethene	ND		1240	1220		ug/Kg	98	57 - 126	1	20	10
Trichlorofluoromethane	ND		1240	1370		ug/Kg	111	39 - 119	4	28	11
Vinyl acetate	ND		1240	1360		ug/Kg	110	10 - 149	17	40	12
Vinyl chloride	ND M1 L3		1240	1490	M1	ug/Kg	120	10 - 100	4	40	13
Xylenes, Total	ND		2480	2320		ug/Kg	94	56 - 126	2	20	14

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 550-120730-A-1-E MSD  
Matrix: Solid**

**Analysis Batch: 174883**

**Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 174781**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	110		33 - 150
Toluene-d8 (Surr)	104		35 - 150
4-Bromofluorobenzene (Surr)	103		32 - 150

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 550-174886/1-A  
Matrix: Solid**

**Analysis Batch: 174969**

**Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 174886**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
1,2-Dichlorobenzene	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
1,2-Diphenylhydrazine	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
1,3-Dichlorobenzene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
1,4-Dichlorobenzene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,4,5-Trichlorophenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,4,6-Trichlorophenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,4-Dichlorophenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,4-Dimethylphenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,4-Dinitrophenol	ND		2.5	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,4-Dinitrotoluene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2,6-Dinitrotoluene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2-Chloronaphthalene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2-Chlorophenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2-Methylnaphthalene	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2-Methylphenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2-Nitroaniline	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
2-Nitrophenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
3 & 4 Methylphenol	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
3,3'-Dichlorobenzidine	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
3-Nitroaniline	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4-Bromophenyl phenyl ether	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4-Chloro-3-methylphenol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4-Chloroaniline	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4-Chlorophenyl phenyl ether	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4-Nitroaniline	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
4-Nitrophenol	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Acenaphthene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Acenaphthylene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Anthracene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzo[a]anthracene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzo[a]pyrene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzo[b]fluoranthene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzo[g,h,i]perylene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzo[k]fluoranthene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzoic acid	ND		1.0	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Benzyl alcohol	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1

Eurofins TestAmerica, Phoenix

## QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID:** MB 550-174886/1-A

**Matrix:** Solid

**Analysis Batch:** 174969

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 174886

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Bis(2-chloroethyl)ether	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
bis (2-chloroisopropyl) ether	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Bis(2-ethylhexyl) phthalate	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Butyl benzyl phthalate	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Chrysene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Dibenzo(a,h)anthracene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Dibenzofuran	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Diethyl phthalate	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Dimethyl phthalate	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Di-n-butyl phthalate	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Di-n-octyl phthalate	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Fluoranthene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Fluorene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Hexachlorobutadiene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Hexachlorobenzene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Hexachlorocyclopentadiene	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Hexachloroethane	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Indeno[1,2,3-cd]pyrene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Isophorone	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Naphthalene	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Nitrobenzene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
N-Nitrosodiphenylamine	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Pentachlorophenol	ND		1.0	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Phenanthenrene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Phenol	ND		0.50	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
Pyrene	ND		0.25	mg/Kg	04/12/19 16:04	04/15/19 14:42		1
<b>Surrogate</b>	<b>MB %Recovery</b>	<b>MB Qualifier</b>	<b>Limits</b>		<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>	
2-Fluorophenol (Surr)	75		13 - 100		04/12/19 16:04	04/15/19 14:42	1	
Nitrobenzene-d5 (Surr)	70		10 - 100		04/12/19 16:04	04/15/19 14:42	1	
2-Fluorobiphenyl (Surr)	71		17 - 100		04/12/19 16:04	04/15/19 14:42	1	
2,4,6-Tribromophenol (Surr)	67		10 - 107		04/12/19 16:04	04/15/19 14:42	1	
p-Terphenyl-d14 (Surr)	77		17 - 100		04/12/19 16:04	04/15/19 14:42	1	
Phenol-d5 (Surr)	75		15 - 100		04/12/19 16:04	04/15/19 14:42	1	

**Lab Sample ID:** LCS 550-174886/2-A

**Matrix:** Solid

**Analysis Batch:** 174969

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 174886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,2,4-Trichlorobenzene	2.50	1.93		mg/Kg	77	33 - 103		
1,2-Dichlorobenzene	2.50	1.87		mg/Kg	75	32 - 100		
1,2-Diphenylhydrazine	2.50	2.12		mg/Kg	85	36 - 115		
1,3-Dichlorobenzene	2.50	1.87		mg/Kg	75	30 - 100		
1,4-Dichlorobenzene	2.50	1.84		mg/Kg	74	30 - 100		
2,4,5-Trichlorophenol	2.50	2.12		mg/Kg	85	41 - 110		

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 550-174886/2-A**

**Matrix: Solid**

**Analysis Batch: 174969**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174886**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
2,4,6-Trichlorophenol	2.50	2.04		mg/Kg	82	39 - 108		
2,4-Dichlorophenol	2.50	2.19		mg/Kg	88	36 - 110		
2,4-Dimethylphenol	2.50	2.06		mg/Kg	82	36 - 108		
2,4-Dinitrophenol	5.00	3.50		mg/Kg	70	24 - 119		
2,4-Dinitrotoluene	2.50	2.07		mg/Kg	83	46 - 110		
2,6-Dinitrotoluene	2.50	2.06		mg/Kg	82	45 - 109		
2-Chloronaphthalene	2.50	1.96		mg/Kg	78	35 - 105		
2-Chlorophenol	2.50	2.00		mg/Kg	80	34 - 110		
2-Methylnaphthalene	2.50	2.00		mg/Kg	80	37 - 103		
2-Methylphenol	2.50	1.93		mg/Kg	77	35 - 109		
2-Nitroaniline	2.50	2.17		mg/Kg	87	43 - 109		
2-Nitrophenol	2.50	2.04		mg/Kg	82	36 - 104		
3 & 4 Methylphenol	2.50	2.01		mg/Kg	80	34 - 110		
3,3'-Dichlorobenzidine	2.50	1.21		mg/Kg	49	14 - 100		
3-Nitroaniline	2.50	1.72		mg/Kg	69	29 - 100		
4,6-Dinitro-2-methylphenol	5.00	4.83		mg/Kg	97	42 - 111		
4-Bromophenyl phenyl ether	2.50	2.11		mg/Kg	84	40 - 109		
4-Chloro-3-methylphenol	2.50	2.09		mg/Kg	83	38 - 114		
4-Chloroaniline	2.50	1.29		mg/Kg	52	20 - 100		
4-Chlorophenyl phenyl ether	2.50	2.05		mg/Kg	82	40 - 107		
4-Nitroaniline	2.50	2.05		mg/Kg	82	44 - 107		
4-Nitrophenol	5.00	4.43		mg/Kg	89	33 - 131		
Acenaphthene	2.50	2.01		mg/Kg	80	37 - 106		
Acenaphthylene	2.50	2.00		mg/Kg	80	39 - 105		
Anthracene	2.50	2.23		mg/Kg	89	44 - 110		
Benzo[a]anthracene	2.50	2.03		mg/Kg	81	42 - 113		
Benzo[a]pyrene	2.50	2.00		mg/Kg	80	44 - 111		
Benzo[b]fluoranthene	2.50	2.12		mg/Kg	85	44 - 113		
Benzo[g,h,i]perylene	2.50	2.12		mg/Kg	85	42 - 114		
Benzo[k]fluoranthene	2.50	2.18		mg/Kg	87	44 - 112		
Benzoic acid	5.00	3.78		mg/Kg	76	29 - 100		
Benzyl alcohol	2.50	1.97		mg/Kg	79	34 - 104		
Bis(2-chloroethoxy)methane	2.50	1.92		mg/Kg	77	36 - 102		
Bis(2-chloroethyl)ether	2.50	1.89		mg/Kg	76	33 - 101		
bis (2-chloroisopropyl) ether	2.50	1.78		mg/Kg	71	33 - 100		
Bis(2-ethylhexyl) phthalate	2.50	2.12		mg/Kg	85	47 - 114		
Butyl benzyl phthalate	2.50	2.11		mg/Kg	84	45 - 116		
Chrysene	2.50	2.04		mg/Kg	82	45 - 110		
Dibenz(a,h)anthracene	2.50	2.13		mg/Kg	85	41 - 114		
Dibenzofuran	2.50	1.97		mg/Kg	79	41 - 106		
Diethyl phthalate	2.50	2.19		mg/Kg	88	45 - 112		
Dimethyl phthalate	2.50	2.03		mg/Kg	81	45 - 105		
Di-n-butyl phthalate	2.50	2.25		mg/Kg	90	45 - 118		
Di-n-octyl phthalate	2.50	2.17		mg/Kg	87	45 - 115		
Fluoranthene	2.50	2.29		mg/Kg	92	47 - 111		
Fluorene	2.50	2.04		mg/Kg	82	43 - 105		
Hexachlorobutadiene	2.50	1.95		mg/Kg	78	27 - 109		
Hexachlorobenzene	2.50	2.14		mg/Kg	85	42 - 109		
Hexachlorocyclopentadiene	2.50	1.75		mg/Kg	70	25 - 105		

Eurofins TestAmerica, Phoenix

## QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 550-174886/2-A**

**Matrix: Solid**

**Analysis Batch: 174969**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174886**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Hexachloroethane	2.50	1.78		mg/Kg	71	27 - 105	
Indeno[1,2,3-cd]pyrene	2.50	2.15		mg/Kg	86	43 - 113	
Isophorone	2.50	1.90		mg/Kg	76	35 - 103	
Naphthalene	2.50	1.91		mg/Kg	76	36 - 101	
Nitrobenzene	2.50	1.93		mg/Kg	77	33 - 107	
N-Nitrosodi-n-propylamine	2.50	1.88		mg/Kg	75	31 - 104	
N-Nitrosodiphenylamine		2.13	1.89	mg/Kg	89	44 - 108	
Pentachlorophenol		5.00	4.38	mg/Kg	88	38 - 113	
Phenanthrene		2.50	2.19	mg/Kg	88	44 - 109	
Phenol		2.50	1.99	mg/Kg	80	31 - 112	
Pyrene		2.50	2.10	mg/Kg	84	45 - 111	
<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>LCS Qualifier</b>	<b>Limits</b>				
2-Fluorophenol (Surr)	79		13 - 100				
Nitrobenzene-d5 (Surr)	75		10 - 100				
2-Fluorobiphenyl (Surr)	73		17 - 100				
2,4,6-Tribromophenol (Surr)	83		10 - 107				
p-Terphenyl-d14 (Surr)	77		17 - 100				
Phenol-d5 (Surr)	76		15 - 100				

**Lab Sample ID: LCSD 550-174886/3-A**

**Matrix: Solid**

**Analysis Batch: 174969**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 174886**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD
1,2,4-Trichlorobenzene	2.50	1.92		mg/Kg	77	33 - 103	0	21
1,2-Dichlorobenzene	2.50	1.83		mg/Kg	73	32 - 100	2	27
1,2-Diphenylhydrazine	2.50	2.04		mg/Kg	81	36 - 115	4	20
1,3-Dichlorobenzene	2.50	1.80		mg/Kg	72	30 - 100	4	26
1,4-Dichlorobenzene	2.50	1.75		mg/Kg	70	30 - 100	5	26
2,4,5-Trichlorophenol	2.50	2.17		mg/Kg	87	41 - 110	2	21
2,4,6-Trichlorophenol	2.50	2.08		mg/Kg	83	39 - 108	2	23
2,4-Dichlorophenol	2.50	2.23		mg/Kg	89	36 - 110	2	22
2,4-Dimethylphenol	2.50	2.08		mg/Kg	83	36 - 108	1	21
2,4-Dinitrophenol	5.00	3.62		mg/Kg	72	24 - 119	3	39
2,4-Dinitrotoluene	2.50	2.03		mg/Kg	81	46 - 110	2	20
2,6-Dinitrotoluene	2.50	2.03		mg/Kg	81	45 - 109	1	23
2-Chloronaphthalene	2.50	1.94		mg/Kg	78	35 - 105	1	23
2-Chlorophenol	2.50	1.99		mg/Kg	79	34 - 110	1	27
2-Methylnaphthalene	2.50	1.99		mg/Kg	80	37 - 103	1	20
2-Methylphenol	2.50	2.04		mg/Kg	81	35 - 109	5	23
2-Nitroaniline	2.50	2.18		mg/Kg	87	43 - 109	1	25
2-Nitrophenol	2.50	2.11		mg/Kg	84	36 - 104	3	24
3 & 4 Methylphenol	2.50	1.99		mg/Kg	80	34 - 110	1	25
3,3'-Dichlorobenzidine	2.50	1.01		mg/Kg	40	14 - 100	18	44
3-Nitroaniline	2.50	1.57		mg/Kg	63	29 - 100	9	28
4,6-Dinitro-2-methylphenol	5.00	4.75		mg/Kg	95	42 - 111	2	23
4-Bromophenyl phenyl ether	2.50	2.05		mg/Kg	82	40 - 109	3	24

Eurofins TestAmerica, Phoenix



## QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-174886/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 174969

Prep Batch: 174886

Surrogate	LCSD	LCSD	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78				10 - 107
p-Terphenyl-d14 (Surr)	77				17 - 100
Phenol-d5 (Surr)	76				15 - 100

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 550-120907-F-3-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 174969

Prep Batch: 174886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene - DL	ND		2.46	1.93		mg/Kg	79	31 - 100	
1,2-Dichlorobenzene - DL	ND		2.46	ND		mg/Kg	75	29 - 100	
1,2-Diphenylhydrazine - DL	ND		2.46	1.94		mg/Kg	79	29 - 100	
1,3-Dichlorobenzene - DL	ND		2.46	1.67		mg/Kg	68	30 - 100	
1,4-Dichlorobenzene - DL	ND		2.46	1.69		mg/Kg	69	28 - 100	
2,4,5-Trichlorophenol - DL	ND		2.46	2.08		mg/Kg	85	16 - 106	
2,4,6-Trichlorophenol - DL	ND		2.46	1.92		mg/Kg	78	7 - 109	
2,4-Dichlorophenol - DL	ND		2.46	2.08		mg/Kg	85	19 - 100	
2,4-Dimethylphenol - DL	ND		2.46	1.63		mg/Kg	66	23 - 100	
2,4-Dinitrophenol - DL	ND	M2 N1	4.92	ND	M2 N1	mg/Kg	0	5 - 100	
2,4-Dinitrotoluene - DL	ND		2.46	2.16		mg/Kg	88	36 - 100	
2,6-Dinitrotoluene - DL	ND		2.46	2.03		mg/Kg	82	35 - 100	
2-Chloronaphthalene - DL	ND		2.46	1.93		mg/Kg	78	30 - 100	
2-Chlorophenol - DL	ND		2.46	1.80		mg/Kg	73	20 - 100	
2-Methylnaphthalene - DL	ND		2.46	ND		mg/Kg	78	25 - 100	
2-Methylphenol - DL	ND		2.46	1.87		mg/Kg	76	28 - 100	
2-Nitroaniline - DL	ND		2.46	1.99		mg/Kg	81	34 - 100	
2-Nitrophenol - DL	ND		2.46	1.91		mg/Kg	78	2 - 107	
3 & 4 Methylphenol - DL	ND		2.46	ND		mg/Kg	70	31 - 100	
3,3'-Dichlorobenzidine - DL	ND		2.46	1.43		mg/Kg	58	21 - 100	
3-Nitroaniline - DL	ND		2.46	1.96		mg/Kg	80	33 - 100	
4,6-Dinitro-2-methylphenol - DL	ND		4.92	ND		mg/Kg	68	15 - 100	
4-Bromophenyl phenyl ether - DL	ND		2.46	2.06		mg/Kg	84	34 - 100	
4-Chloro-3-methylphenol - DL	ND		2.46	1.97		mg/Kg	80	29 - 100	
4-Chloroaniline - DL	ND		2.46	ND		mg/Kg	67	24 - 100	
4-Chlorophenyl phenyl ether - DL	ND		2.46	2.05		mg/Kg	83	34 - 100	
4-Nitroaniline - DL	ND		2.46	2.00		mg/Kg	81	34 - 100	
4-Nitrophenol - DL	ND		4.92	3.84		mg/Kg	78	-6 - 132	
Acenaphthene - DL	ND		2.46	2.01		mg/Kg	82	33 - 100	
Acenaphthylene - DL	ND		2.46	1.97		mg/Kg	80	31 - 100	
Anthracene - DL	ND		2.46	2.03		mg/Kg	82	33 - 100	
Benzo[a]anthracene - DL	ND		2.46	1.97		mg/Kg	80	32 - 100	
Benzo[a]pyrene - DL	ND		2.46	1.91		mg/Kg	78	33 - 100	
Benzo[b]fluoranthene - DL	ND		2.46	2.05		mg/Kg	83	33 - 100	
Benzo[g,h,i]perylene - DL	ND		2.46	1.96		mg/Kg	80	31 - 100	
Benzo[k]fluoranthene - DL	ND		2.46	2.05		mg/Kg	83	33 - 100	
Benzoic acid - DL	ND		4.92	ND		mg/Kg	34	-27 - 100	
Benzyl alcohol - DL	ND		2.46	1.78		mg/Kg	72	27 - 100	

Eurofins TestAmerica, Phoenix

## QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

**Lab Sample ID: 550-120907-F-3-B MS**

**Matrix: Solid**

**Analysis Batch: 174969**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 174886**

Analyte	Sample	Sample	Spike	MS	MS	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier			Unit	Limits
Bis(2-chloroethoxy)methane - DL	ND		2.46	1.85		75	31 - 100		
Bis(2-chloroethyl)ether - DL	ND		2.46	1.80		73	29 - 100		
bis (2-chloroisopropyl) ether - DL	ND		2.46	1.74		71	24 - 100		
Bis(2-ethylhexyl) phthalate - DL	ND		2.46	1.99		81	18 - 124		
Butyl benzyl phthalate - DL	ND		2.46	1.94		79	27 - 109		
Chrysene - DL	ND		2.46	2.11		86	33 - 100		
Dibenz(a,h)anthracene - DL	ND		2.46	1.77		72	32 - 100		
Dibenzofuran - DL	ND		2.46	2.05		83	34 - 100		
Diethyl phthalate - DL	ND		2.46	2.11		86	33 - 100		
Dimethyl phthalate - DL	ND		2.46	1.98		80	31 - 100		
Di-n-butyl phthalate - DL	ND		2.46	1.98		80	32 - 104		
Di-n-octyl phthalate - DL	ND		2.46	1.99		81	29 - 106		
Fluoranthene - DL	ND		2.46	2.09		85	35 - 100		
Fluorene - DL	ND		2.46	2.04		83	35 - 100		
Hexachlorobutadiene - DL	ND		2.46	1.86		76	26 - 100		
Hexachlorobenzene - DL	ND		2.46	2.02		82	35 - 100		
Hexachlorocyclopentadiene - DL	ND		2.46	ND		52	-9 - 100		
Hexachloroethane - DL	ND		2.46	ND		71	14 - 100		
Indeno[1,2,3-cd]pyrene - DL	ND		2.46	1.94		79	30 - 100		
Isophorone - DL	ND		2.46	1.82		74	27 - 100		
Naphthalene - DL	ND		2.46	ND		76	30 - 100		
Nitrobenzene - DL	ND		2.46	1.84		75	28 - 100		
N-Nitrosodi-n-propylamine - DL	ND		2.46	ND		72	29 - 100		
N-Nitrosodiphenylamine - DL	ND		2.09	1.65		79	33 - 100		
Pentachlorophenol - DL	ND		4.92	ND		72	27 - 100		
Phenanthenrene - DL	ND		2.46	2.11		86	34 - 100		
Phenol - DL	ND		2.46	ND		77	25 - 100		
Pyrene - DL	ND		2.46	2.01		82	31 - 100		

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr) - DL	69		13 - 100
Nitrobenzene-d5 (Surr) - DL	70		10 - 100
2-Fluorobiphenyl (Surr) - DL	75		17 - 100
2,4,6-Tribromophenol (Surr) - DL	77		10 - 107
p-Terphenyl-d14 (Surr) - DL	79		17 - 100
Phenol-d5 (Surr) - DL	70		15 - 100

**Lab Sample ID: 550-120907-F-3-C MSD**

**Matrix: Solid**

**Analysis Batch: 174969**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 174886**

Analyte	Sample	Sample	Spike	MSD	MSD	D	%Rec	%Rec.	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier			Unit		
1,2,4-Trichlorobenzene - DL	ND		2.45	1.79		73	31 - 100		8	40
1,2-Dichlorobenzene - DL	ND		2.45	ND		70	29 - 100		7	40
1,2-Diphenylhydrazine - DL	ND		2.45	1.96		80	29 - 100		1	31
1,3-Dichlorobenzene - DL	ND		2.45	1.79		73	30 - 100		7	39
1,4-Dichlorobenzene - DL	ND		2.45	1.79		73	28 - 100		6	40
2,4,5-Trichlorophenol - DL	ND		2.45	1.94		79	16 - 106		7	40

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
2,4,6-Trichlorophenol - DL	ND		2.45	1.97		mg/Kg	80	7 - 109	2	38	
2,4-Dichlorophenol - DL	ND		2.45	2.22		mg/Kg	90	19 - 100	6	40	
2,4-Dimethylphenol - DL	ND		2.45	1.75		mg/Kg	71	23 - 100	7	40	
2,4-Dinitrophenol - DL	ND	M2 N1	4.91	ND	M2 N1	mg/Kg	0	5 - 100	NC		
2,4-Dinitrotoluene - DL	ND		2.45	2.07		mg/Kg	84	36 - 100	4	34	
2,6-Dinitrotoluene - DL	ND		2.45	2.00		mg/Kg	81	35 - 100	2	36	
2-Chloronaphthalene - DL	ND		2.45	1.93		mg/Kg	79	30 - 100	0	40	
2-Chlorophenol - DL	ND		2.45	1.98		mg/Kg	81	20 - 100	9	40	
2-Methylnaphthalene - DL	ND		2.45	2.02		mg/Kg	82	25 - 100	5	40	
2-Methylphenol - DL	ND		2.45	1.96		mg/Kg	80	28 - 100	5	35	
2-Nitroaniline - DL	ND		2.45	2.03		mg/Kg	83	34 - 100	2	33	
2-Nitrophenol - DL	ND		2.45	1.92		mg/Kg	78	2 - 107	0	40	
3 & 4 Methylphenol - DL	ND		2.45	ND		mg/Kg	79	31 - 100	12	34	
3,3'-Dichlorobenzidine - DL	ND		2.45	1.45		mg/Kg	59	21 - 100	1	31	
3-Nitroaniline - DL	ND		2.45	1.97		mg/Kg	80	33 - 100	0	30	
4,6-Dinitro-2-methylphenol - DL	ND		4.91	ND		mg/Kg	68	15 - 100	1	19	
4-Bromophenyl phenyl ether - DL	ND		2.45	2.01		mg/Kg	82	34 - 100	2	28	
4-Chloro-3-methylphenol - DL	ND		2.45	2.06		mg/Kg	84	29 - 100	4	33	
4-Chloroaniline - DL	ND		2.45	ND		mg/Kg	66	24 - 100	1	34	
4-Chlorophenyl phenyl ether - DL	ND		2.45	1.97		mg/Kg	80	34 - 100	4	32	
4-Nitroaniline - DL	ND		2.45	1.94		mg/Kg	79	34 - 100	3	34	
4-Nitrophenol - DL	ND		4.91	3.93		mg/Kg	80	-6 - 132	2	29	
Acenaphthene - DL	ND		2.45	1.91		mg/Kg	78	33 - 100	5	35	
Acenaphthylene - DL	ND		2.45	1.93		mg/Kg	79	31 - 100	2	36	
Anthracene - DL	ND		2.45	2.11		mg/Kg	86	33 - 100	4	33	
Benzo[a]anthracene - DL	ND		2.45	1.98		mg/Kg	81	32 - 100	0	29	
Benzo[a]pyrene - DL	ND		2.45	1.84		mg/Kg	75	33 - 100	4	30	
Benzo[b]fluoranthene - DL	ND		2.45	1.96		mg/Kg	80	33 - 100	4	32	
Benzo[g,h,i]perylene - DL	ND		2.45	1.91		mg/Kg	78	31 - 100	3	30	
Benzo[k]fluoranthene - DL	ND		2.45	1.94		mg/Kg	79	33 - 100	6	29	
Benzoic acid - DL	ND		4.91	ND		mg/Kg	39	-27 - 100	15	40	
Benzyl alcohol - DL	ND		2.45	1.80		mg/Kg	73	27 - 100	1	39	
Bis(2-chloroethoxy)methane - DL	ND		2.45	1.91		mg/Kg	78	31 - 100	3	38	
Bis(2-chloroethyl)ether - DL	ND		2.45	1.89		mg/Kg	77	29 - 100	5	40	
bis (2-chloroisopropyl) ether - DL	ND		2.45	1.81		mg/Kg	74	24 - 100	4	39	
Bis(2-ethylhexyl) phthalate - DL	ND		2.45	1.96		mg/Kg	80	18 - 124	2	27	
Butyl benzyl phthalate - DL	ND		2.45	1.82		mg/Kg	74	27 - 109	6	30	
Chrysene - DL	ND		2.45	2.08		mg/Kg	85	33 - 100	1	29	
Dibenz(a,h)anthracene - DL	ND		2.45	1.94		mg/Kg	79	32 - 100	9	28	
Dibenzofuran - DL	ND		2.45	1.93		mg/Kg	79	34 - 100	6	35	
Diethyl phthalate - DL	ND		2.45	2.11		mg/Kg	86	33 - 100	0	32	
Dimethyl phthalate - DL	ND		2.45	1.98		mg/Kg	81	31 - 100	0	38	
Di-n-butyl phthalate - DL	ND		2.45	1.99		mg/Kg	81	32 - 104	1	29	
Di-n-octyl phthalate - DL	ND		2.45	1.93		mg/Kg	79	29 - 106	3	29	
Fluoranthene - DL	ND		2.45	2.06		mg/Kg	84	35 - 100	1	28	
Fluorene - DL	ND		2.45	1.98		mg/Kg	81	35 - 100	3	36	
Hexachlorobutadiene - DL	ND		2.45	2.12		mg/Kg	86	26 - 100	13	46	
Hexachlorobenzene - DL	ND		2.45	1.96		mg/Kg	80	35 - 100	3	34	
Hexachlorocyclopentadiene - DL	ND		2.45	ND		mg/Kg	54	-9 - 100	4	40	

Eurofins TestAmerica, Phoenix







## QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 550-120562-A-1-B MSD**

**Matrix: Solid**

**Analysis Batch: 174888**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 174610**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Endrin	ND		0.0487	0.0414		mg/Kg		85	10 - 142	1	40
Endrin aldehyde	ND		0.0487	0.0412		mg/Kg		85	10 - 143	2	40
gamma-BHC (Lindane)	ND		0.0487	0.0362		mg/Kg		74	11 - 112	3	40
Heptachlor	ND		0.0487	0.0440		mg/Kg		90	15 - 108	5	40
Heptachlor epoxide	ND		0.0487	0.0385		mg/Kg		79	10 - 138	2	40
Methoxychlor	ND		0.0487	0.0428		mg/Kg		88	10 - 145	2	40
<b>Surrogate</b>		<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD</b>	<b>MSD</b>	<b>Unit</b>	<b>D</b>	<b>%Rec.</b>	<b>Limits</b>	<b>RPD</b>	<b>RPD Limit</b>
<i>DCB Decachlorobiphenyl (Surr)</i>		65				17 - 129					

### Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - RA

**Lab Sample ID: MB 550-174765/1-A**

**Matrix: Solid**

**Analysis Batch: 175108**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 174765**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
PCB-1221 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
PCB-1232 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
PCB-1242 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
PCB-1248 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
PCB-1254 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
PCB-1260 - RA	ND		0.050	mg/Kg		04/11/19 19:43	04/16/19 20:41	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>MB Qualifier</b>	<b>MB</b>	<b>MB</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-m-xylene (Surr) - RA</i>		73			20 - 136			
<i>DCB Decachlorobiphenyl (Surr) - RA</i>		91			17 - 129			

**Lab Sample ID: LCS 550-174765/2-A**

**Matrix: Solid**

**Analysis Batch: 175108**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174765**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
PCB-1016 - RA	0.500	0.574		mg/Kg		115	49 - 143	
PCB-1260 - RA	0.500	0.639		mg/Kg		128	57 - 144	
<b>Surrogate</b>		<b>%Recovery</b>	<b>LCS Qualifier</b>	<b>LCS</b>	<b>LCS</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Tetrachloro-m-xylene (Surr) - RA</i>		93			20 - 136			
<i>DCB Decachlorobiphenyl (Surr) - RA</i>		114			17 - 129			

**Lab Sample ID: LCSD 550-174765/3-A**

**Matrix: Solid**

**Analysis Batch: 175108**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 174765**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
PCB-1016 - RA	0.500	0.676		mg/Kg		135	49 - 143	16	24

Eurofins TestAmerica, Phoenix

## QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - RA (Continued)

**Lab Sample ID: LCSD 550-174765/3-A**

**Client Sample ID: Lab Control Sample Dup**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 175108**

**Prep Batch: 174765**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD
PCB-1260 - RA	0.500	0.710		mg/Kg		142	57 - 144	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr) - RA	111		20 - 136
DCB Decachlorobiphenyl (Surr) - RA	124		17 - 129

**Lab Sample ID: 550-120702-A-4-A MS**

**Client Sample ID: Matrix Spike**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 175108**

**Prep Batch: 174765**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
PCB-1016 - RA	ND	D5	2.84	ND		mg/Kg	⊗	132	10 - 150
PCB-1260 - RA	ND	D5	2.84	ND		mg/Kg	⊗	111	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr) - RA	145	N1	20 - 136
DCB Decachlorobiphenyl (Surr) - RA	70		17 - 129

**Lab Sample ID: 550-120702-A-4-B MSD**

**Client Sample ID: Matrix Spike Duplicate**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 175108**

**Prep Batch: 174765**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.
PCB-1016 - RA	ND	D5	2.78	ND		mg/Kg	⊗	110	10 - 150
PCB-1260 - RA	ND	D5	2.78	ND		mg/Kg	⊗	110	10 - 150

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr) - RA	94		20 - 136
DCB Decachlorobiphenyl (Surr) - RA	76		17 - 129

### Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 550-174742/1-A**

**Client Sample ID: Method Blank**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 175054**

**Prep Batch: 174742**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0	mg/Kg		04/11/19 15:32	04/16/19 06:15	1
Cadmium	ND		0.49	mg/Kg		04/11/19 15:32	04/16/19 06:15	1
Chromium	ND		2.0	mg/Kg		04/11/19 15:32	04/16/19 06:15	1
Copper	ND		2.5	mg/Kg		04/11/19 15:32	04/16/19 06:15	1
Lead	ND		0.99	mg/Kg		04/11/19 15:32	04/16/19 06:15	1
Molybdenum	ND		2.0	mg/Kg		04/11/19 15:32	04/16/19 06:15	1
Nickel	ND		2.0	mg/Kg		04/11/19 15:32	04/16/19 06:15	1

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 550-174742/1-A**

**Matrix: Solid**

**Analysis Batch: 175054**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 174742**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		4.9	mg/Kg	04/11/19 15:32	04/16/19 06:15		1
Silver	ND		2.5	mg/Kg	04/11/19 15:32	04/16/19 06:15		1
Zinc	ND		4.9	mg/Kg	04/11/19 15:32	04/16/19 06:15		1

**Lab Sample ID: LCS 550-174742/2-A**

**Matrix: Solid**

**Analysis Batch: 175054**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174742**

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Arsenic		50.0	43.8		mg/Kg	88	80 - 104		
Cadmium		50.0	44.5		mg/Kg	89	83 - 102		
Chromium		50.0	46.5		mg/Kg	93	86 - 109		
Copper		50.0	48.1		mg/Kg	96	88 - 111		
Lead		50.0	45.4		mg/Kg	91	83 - 107		
Molybdenum		50.0	46.0		mg/Kg	92	88 - 107		
Nickel		50.0	45.3		mg/Kg	91	87 - 105		
Selenium		50.0	43.2		mg/Kg	86	80 - 104		
Silver		3.75	3.37		mg/Kg	90	80 - 106		
Zinc		50.0	43.9		mg/Kg	88	81 - 107		

**Lab Sample ID: LCSD 550-174742/3-A**

**Matrix: Solid**

**Analysis Batch: 175054**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 174742**

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
Arsenic		49.7	42.7		mg/Kg	86	80 - 104		3	20	
Cadmium		49.7	43.6		mg/Kg	88	83 - 102		2	20	
Chromium		49.7	45.7		mg/Kg	92	86 - 109		2	20	
Copper		49.7	47.5		mg/Kg	96	88 - 111		1	20	
Lead		49.7	44.8		mg/Kg	90	83 - 107		1	20	
Molybdenum		49.7	44.9		mg/Kg	90	88 - 107		2	20	
Nickel		49.7	44.5		mg/Kg	89	87 - 105		2	20	
Selenium		49.7	42.3		mg/Kg	85	80 - 104		2	20	
Silver		3.73	3.24		mg/Kg	87	80 - 106		4	20	
Zinc		49.7	42.8		mg/Kg	86	81 - 107		2	20	

**Lab Sample ID: 550-120971-A-1-A MS**

**Matrix: Solid**

**Analysis Batch: 175054**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 174742**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Arsenic	17		49.4	62.2		mg/Kg	92	75 - 125		
Cadmium	4.2		49.4	49.2		mg/Kg	91	75 - 125		
Chromium	10		49.4	49.5		mg/Kg	80	75 - 125		
Copper	3700	M3	49.4	4080	M3	mg/Kg	729	75 - 125		
Lead	110	M2	49.4	143	M2	mg/Kg	60	75 - 125		
Molybdenum	22		49.4	66.9		mg/Kg	90	75 - 125		
Nickel	6.2		49.4	44.9		mg/Kg	78	75 - 125		
Selenium	ND		49.4	42.6		mg/Kg	86	75 - 125		

Eurofins TestAmerica, Phoenix

# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 550-120971-A-1-A MS**

**Matrix: Solid**

**Analysis Batch: 175054**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 174742**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Silver	ND		3.71	5.05	E2	mg/Kg		102	75 - 125	
Zinc	330	M3	49.4	355	M3	mg/Kg		46	75 - 125	

**Lab Sample ID: 550-120971-A-1-B MSD**

**Matrix: Solid**

**Analysis Batch: 175054**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 174742**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
Arsenic	17		49.7	62.1		mg/Kg		91	75 - 125	0	20
Cadmium	4.2		49.7	49.9		mg/Kg		92	75 - 125	1	20
Chromium	10		49.7	56.5		mg/Kg		93	75 - 125	13	20
Copper	3700	M3	49.7	3850	M3	mg/Kg		243	75 - 125	6	20
Lead	110	M2	49.7	140	M2	mg/Kg		52	75 - 125	3	20
Molybdenum	22		49.7	67.4		mg/Kg		91	75 - 125	1	20
Nickel	6.2		49.7	48.3		mg/Kg		85	75 - 125	7	20
Selenium	ND		49.7	43.3		mg/Kg		87	75 - 125	2	20
Silver	ND		3.73	5.04	E2	mg/Kg		101	75 - 125	0	20
Zinc	330	M3	49.7	330	M3	mg/Kg		-3	75 - 125	7	20

## Method: 7471B - Mercury (CVAA)

**Lab Sample ID: MB 550-174835/13-A**

**Matrix: Solid**

**Analysis Batch: 174896**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 174835**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.099	mg/Kg		04/12/19 12:07	04/12/19 16:27	1

**Lab Sample ID: LCS 550-174835/14-A**

**Matrix: Solid**

**Analysis Batch: 174896**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 174835**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Mercury	0.912	0.931		mg/Kg		102	80 - 120	

**Lab Sample ID: LCSD 550-174835/15-A**

**Matrix: Solid**

**Analysis Batch: 174896**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 174835**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD
Mercury	0.948	0.931		mg/Kg		98	80 - 120	0

**Lab Sample ID: 550-120801-E-1-E MS**

**Matrix: Solid**

**Analysis Batch: 174896**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 174835**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Mercury	ND		1.03	1.03		mg/Kg		100	80 - 120	

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# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 7471B - Mercury (CVAA) (Continued)

**Lab Sample ID:** 550-120801-E-1-F MSD  
**Matrix:** Solid  
**Analysis Batch:** 174896

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Total/NA  
**Prep Batch:** 174835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit	
Mercury	ND		1.01	1.01		mg/Kg	※	100	80 - 120	2	20

## Method: 2540G - SM 2540G

**Lab Sample ID:** MB 550-174698/1  
**Matrix:** Solid  
**Analysis Batch:** 174698

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.001		0.1	%			04/11/19 12:34	1
Percent Solids	100		0.1	%			04/11/19 12:34	1

**Lab Sample ID:** 550-120895-1 DU  
**Matrix:** Solid  
**Analysis Batch:** 174698

**Client Sample ID:** SE Sludge Cake  
**Prep Type:** Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	78.4		78.6		%		0.3	10
Percent Solids	21.6		21.4		%		1	10

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID:** MB 550-175160/1-B  
**Matrix:** Solid  
**Analysis Batch:** 175431

**Client Sample ID:** Method Blank  
**Prep Type:** Soluble  
**Prep Batch:** 175171

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	ND		49	mg/Kg		04/17/19 13:15	04/18/19 16:19	1

**Lab Sample ID:** LCS 550-175160/2-B  
**Matrix:** Solid  
**Analysis Batch:** 175431

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Soluble  
**Prep Batch:** 175171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Nitrogen, Kjeldahl	980	968		mg/Kg	99	90 - 110	

**Lab Sample ID:** LCSD 550-175160/3-B  
**Matrix:** Solid  
**Analysis Batch:** 175431

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Soluble  
**Prep Batch:** 175171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Nitrogen, Kjeldahl	998	1010		mg/Kg	101	90 - 110	4	20

**Lab Sample ID:** 550-120498-A-1-I MS ^20  
**Matrix:** Solid  
**Analysis Batch:** 175431

**Client Sample ID:** Matrix Spike  
**Prep Type:** Soluble  
**Prep Batch:** 175171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Nitrogen, Kjeldahl	88000	M3 D2	7950	95500	D2 M3	mg/Kg	※	97	90 - 110	

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# QC Sample Results

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

**Lab Sample ID:** 550-120498-A-1-J MSD ^20  
**Matrix:** Solid  
**Analysis Batch:** 175431

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Soluble  
**Prep Batch:** 175171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit	
Nitrogen, Kjeldahl	88000	M3 D2	8070	91100	D2 M3	mg/Kg	⊗	41	90 - 110	5	20

## Method: SM 4500 NH3 D - Ammonia

**Lab Sample ID:** MB 550-175085/1-A  
**Matrix:** Solid  
**Analysis Batch:** 175138

**Client Sample ID:** Method Blank  
**Prep Type:** Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		5.0	mg/Kg			04/17/19 00:47	1

**Lab Sample ID:** LCS 550-175085/2-A  
**Matrix:** Solid  
**Analysis Batch:** 175138

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Ammonia	249	217		mg/Kg	⊗	87	80 - 120

**Lab Sample ID:** LCSD 550-175085/3-A  
**Matrix:** Solid  
**Analysis Batch:** 175138

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit	
Ammonia	250	224		mg/Kg	⊗	90	80 - 120	3	20

**Lab Sample ID:** 550-120702-A-7-B MS ^10  
**Matrix:** Solid  
**Analysis Batch:** 175138

**Client Sample ID:** Matrix Spike  
**Prep Type:** Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	RPD	RPD Limit	
Ammonia	8200	M3 D2	1370	9720	D2 M3	mg/Kg	⊗	114	80 - 120		

**Lab Sample ID:** 550-120702-A-7-C MSD ^10  
**Matrix:** Solid  
**Analysis Batch:** 175138

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit	
Ammonia	8200	M3 D2	1360	10300	D2 M3	mg/Kg	⊗	161	80 - 120	6	20

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# QC Association Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

## GC/MS VOA

### Prep Batch: 174781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	5035A	
MB 550-174781/1-A	Method Blank	Total/NA	Solid	5035A	
LCS 550-174781/2-A	Lab Control Sample	Total/NA	Solid	5035A	
LCSD 550-174781/3-A	Lab Control Sample Dup	Total/NA	Solid	5035A	
550-120730-A-1-D MS	Matrix Spike	Total/NA	Solid	5035A	
550-120730-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035A	

### Analysis Batch: 174883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 550-174781/1-A	Method Blank	Total/NA	Solid	8260B	174781
LCS 550-174781/2-A	Lab Control Sample	Total/NA	Solid	8260B	174781
LCSD 550-174781/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	174781
550-120730-A-1-D MS	Matrix Spike	Total/NA	Solid	8260B	174781
550-120730-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	174781

### Analysis Batch: 174972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	8260B	174781

### Analysis Batch: 175150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	8260B	174781

## GC/MS Semi VOA

### Prep Batch: 174886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1 - DL	SE Sludge Cake	Total/NA	Solid	3546	
MB 550-174886/1-A	Method Blank	Total/NA	Solid	3546	
LCS 550-174886/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 550-174886/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
550-120907-F-3-B MS - DL	Matrix Spike	Total/NA	Solid	3546	
550-120907-F-3-C MSD - DL	Matrix Spike Duplicate	Total/NA	Solid	3546	

### Analysis Batch: 174969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1 - DL	SE Sludge Cake	Total/NA	Solid	8270C	174886
MB 550-174886/1-A	Method Blank	Total/NA	Solid	8270C	174886
LCS 550-174886/2-A	Lab Control Sample	Total/NA	Solid	8270C	174886
LCSD 550-174886/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	174886
550-120907-F-3-B MS - DL	Matrix Spike	Total/NA	Solid	8270C	174886
550-120907-F-3-C MSD - DL	Matrix Spike Duplicate	Total/NA	Solid	8270C	174886

## GC Semi VOA

### Prep Batch: 174610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1 - DL	SE Sludge Cake	Total/NA	Solid	3546	
MB 550-174610/1-A	Method Blank	Total/NA	Solid	3546	
LCS 550-174610/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 550-174610/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
550-120562-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	

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## QC Association Summary

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Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

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### GC Semi VOA (Continued)

#### Prep Batch: 174610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120562-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

#### Prep Batch: 174765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1 - RA	SE Sludge Cake	Total/NA	Solid	3546	
MB 550-174765/1-A - RA	Method Blank	Total/NA	Solid	3546	
LCS 550-174765/2-A - RA	Lab Control Sample	Total/NA	Solid	3546	
LCSD 550-174765/3-A - RA	Lab Control Sample Dup	Total/NA	Solid	3546	
550-120702-A-4-A MS - RA	Matrix Spike	Total/NA	Solid	3546	
550-120702-A-4-B MSD - RA	Matrix Spike Duplicate	Total/NA	Solid	3546	

#### Analysis Batch: 174888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 550-174610/1-A	Method Blank	Total/NA	Solid	8081B	174610
LCS 550-174610/2-A	Lab Control Sample	Total/NA	Solid	8081B	174610
LCS 550-174610/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	174610
550-120562-A-1-A MS	Matrix Spike	Total/NA	Solid	8081B	174610
550-120562-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	174610

#### Analysis Batch: 175102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1 - DL	SE Sludge Cake	Total/NA	Solid	8081B	174610

#### Analysis Batch: 175108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1 - RA	SE Sludge Cake	Total/NA	Solid	8082A	174765
MB 550-174765/1-A - RA	Method Blank	Total/NA	Solid	8082A	174765
LCS 550-174765/2-A - RA	Lab Control Sample	Total/NA	Solid	8082A	174765
LCSD 550-174765/3-A - RA	Lab Control Sample Dup	Total/NA	Solid	8082A	174765
550-120702-A-4-A MS - RA	Matrix Spike	Total/NA	Solid	8082A	174765
550-120702-A-4-B MSD - RA	Matrix Spike Duplicate	Total/NA	Solid	8082A	174765

## Metals

#### Prep Batch: 174742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	3050B	
MB 550-174742/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 550-174742/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 550-174742/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
550-120971-A-1-A MS	Matrix Spike	Total/NA	Solid	3050B	
550-120971-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

#### Prep Batch: 174835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	7471B	
MB 550-174835/13-A	Method Blank	Total/NA	Solid	7471B	
LCS 550-174835/14-A	Lab Control Sample	Total/NA	Solid	7471B	
LCSD 550-174835/15-A	Lab Control Sample Dup	Total/NA	Solid	7471B	
550-120801-E-1-E MS	Matrix Spike	Total/NA	Solid	7471B	
550-120801-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	

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# QC Association Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

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## Metals

### Analysis Batch: 174896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	7471B	174835
MB 550-174835/13-A	Method Blank	Total/NA	Solid	7471B	174835
LCS 550-174835/14-A	Lab Control Sample	Total/NA	Solid	7471B	174835
LCSD 550-174835/15-A	Lab Control Sample Dup	Total/NA	Solid	7471B	174835
550-120801-E-1-E MS	Matrix Spike	Total/NA	Solid	7471B	174835
550-120801-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	174835

### Analysis Batch: 175054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	6010C	174742
MB 550-174742/1-A	Method Blank	Total/NA	Solid	6010C	174742
LCS 550-174742/2-A	Lab Control Sample	Total/NA	Solid	6010C	174742
LCSD 550-174742/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	174742
550-120971-A-1-A MS	Matrix Spike	Total/NA	Solid	6010C	174742
550-120971-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	174742

## General Chemistry

### Analysis Batch: 174603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Soluble	Solid	Nitrogen,Org	

### Analysis Batch: 174698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Total/NA	Solid	2540G	
MB 550-174698/1	Method Blank	Total/NA	Solid	2540G	
550-120895-1 DU	SE Sludge Cake	Total/NA	Solid	2540G	

### Leach Batch: 175085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Soluble	Solid	Acid DI leach	
MB 550-175085/1-A	Method Blank	Soluble	Solid	Acid DI leach	
LCS 550-175085/2-A	Lab Control Sample	Soluble	Solid	Acid DI leach	
LCSD 550-175085/3-A	Lab Control Sample Dup	Soluble	Solid	Acid DI leach	
550-120702-A-7-B MS ^10	Matrix Spike	Soluble	Solid	Acid DI leach	
550-120702-A-7-C MSD ^10	Matrix Spike Duplicate	Soluble	Solid	Acid DI leach	

### Analysis Batch: 175138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Soluble	Solid	SM 4500 NH3 D	175085
MB 550-175085/1-A	Method Blank	Soluble	Solid	SM 4500 NH3 D	175085
LCS 550-175085/2-A	Lab Control Sample	Soluble	Solid	SM 4500 NH3 D	175085
LCSD 550-175085/3-A	Lab Control Sample Dup	Soluble	Solid	SM 4500 NH3 D	175085
550-120702-A-7-B MS ^10	Matrix Spike	Soluble	Solid	SM 4500 NH3 D	175085
550-120702-A-7-C MSD ^10	Matrix Spike Duplicate	Soluble	Solid	SM 4500 NH3 D	175085

### Leach Batch: 175160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Soluble	Solid	DI Leach	
MB 550-175160/1-B	Method Blank	Soluble	Solid	DI Leach	
LCS 550-175160/2-B	Lab Control Sample	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### General Chemistry (Continued)

#### Leach Batch: 175160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 550-175160/3-B	Lab Control Sample Dup	Soluble	Solid	DI Leach	
550-120498-A-1-I MS ^20	Matrix Spike	Soluble	Solid	DI Leach	
550-120498-A-1-J MSD ^20	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### Prep Batch: 175171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Soluble	Solid	351.2	175160
MB 550-175160/1-B	Method Blank	Soluble	Solid	351.2	175160
LCS 550-175160/2-B	Lab Control Sample	Soluble	Solid	351.2	175160
LCSD 550-175160/3-B	Lab Control Sample Dup	Soluble	Solid	351.2	175160
550-120498-A-1-I MS ^20	Matrix Spike	Soluble	Solid	351.2	175160
550-120498-A-1-J MSD ^20	Matrix Spike Duplicate	Soluble	Solid	351.2	175160

#### Analysis Batch: 175431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-120895-1	SE Sludge Cake	Soluble	Solid	351.2	175171
MB 550-175160/1-B	Method Blank	Soluble	Solid	351.2	175171
LCS 550-175160/2-B	Lab Control Sample	Soluble	Solid	351.2	175171
LCSD 550-175160/3-B	Lab Control Sample Dup	Soluble	Solid	351.2	175171
550-120498-A-1-I MS ^20	Matrix Spike	Soluble	Solid	351.2	175171
550-120498-A-1-J MSD ^20	Matrix Spike Duplicate	Soluble	Solid	351.2	175171

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## Lab Chronicle

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

### Client Sample ID: SE Sludge Cake

Date Collected: 04/09/19 10:15  
Date Received: 04/10/19 12:30

### Lab Sample ID: 550-120895-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	174698	YET		TAL PHX
					(Start) 04/11/19 12:34			
					(End) 04/12/19 08:05			
Soluble	Analysis	Nitrogen,Org		1	174603	04/19/19 15:17	LAS	TAL PHX

### Client Sample ID: SE Sludge Cake

Date Collected: 04/09/19 10:15  
Date Received: 04/10/19 12:30

### Lab Sample ID: 550-120895-1

Matrix: Solid

Percent Solids: 21.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			174781	04/10/19 23:33	JEM	TAL PHX
Total/NA	Analysis	8260B		1	175150	04/17/19 11:35	TC1	TAL PHX
Total/NA	Prep	5035A			174781	04/10/19 23:33	JEM	TAL PHX
Total/NA	Analysis	8260B		1	174972	04/15/19 16:22	JHU	TAL PHX
Total/NA	Prep	3546	DL		174886	04/12/19 16:17	CMM	TAL PHX
Total/NA	Analysis	8270C	DL	10	174969	04/15/19 20:55	JES	TAL PHX
Total/NA	Prep	3546	DL		174610	04/11/19 12:27	CMM	TAL PHX
Total/NA	Analysis	8081B	DL	50	175102	04/17/19 06:34	JES	TAL PHX
Total/NA	Prep	3546	RA		174765	04/11/19 19:43	CMM	TAL PHX
Total/NA	Analysis	8082A	RA	20	175108	04/17/19 09:26	JES	TAL PHX
Total/NA	Prep	3050B			174742	04/11/19 15:32	JTG	TAL PHX
Total/NA	Analysis	6010C		1	175054	04/16/19 07:01	SRA	TAL PHX
Total/NA	Prep	7471B			174835	04/12/19 12:08	JTG	TAL PHX
Total/NA	Analysis	7471B		1	174896	04/12/19 16:54	JTG	TAL PHX
Soluble	Leach	DI Leach			175160	04/17/19 10:55	DGS	TAL PHX
Soluble	Prep	351.2			175171	04/17/19 13:15	DGS	TAL PHX
Soluble	Analysis	351.2		20	175431	04/18/19 16:37	DGS	TAL PHX
Soluble	Leach	Acid DI leach			175085	04/16/19 13:30	DGS	TAL PHX
Soluble	Analysis	SM 4500 NH3 D		10	175138	04/17/19 01:43	DGS	TAL PHX

#### Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340



Eurofins TestAmerica, Phoenix

## Accreditation/Certification Summary

Client: San Elijo Joint Powers Auth.

Job ID: 550-120895-1

Project/Site: Sludge

### Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0728	06-09-19
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte	
Nitrogen,Org		Solid	Nitrogen, Organic	

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Eurofins TestAmerica, Phoenix

## Method Summary

Client: San Elijo Joint Powers Auth.  
Project/Site: Sludge

Job ID: 550-120895-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PHX
8081B	Organochlorine Pesticides (GC)	SW846	TAL PHX
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PHX
6010C	Metals (ICP)	SW846	TAL PHX
7471B	Mercury (CVAA)	SW846	TAL PHX
2540G	SM 2540G	SM22	TAL PHX
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL PHX
Nitrogen,Org	Nitrogen, Organic	EPA	TAL PHX
SM 4500 NH3 D	Ammonia	SM	TAL PHX
3050B	Preparation, Metals	SW846	TAL PHX
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL PHX
3546	Microwave Extraction	SW846	TAL PHX
5035A	Closed System Purge and Trap	SW846	TAL PHX
7471B	Preparation, Mercury	SW846	TAL PHX
Acid DI leach	Acidified Deionized Water Leach	None	TAL PHX
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL PHX

### Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix

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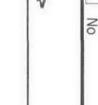
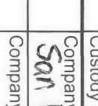
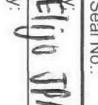
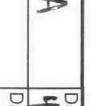
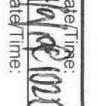
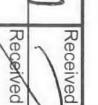
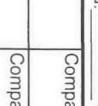
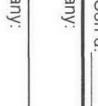
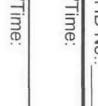
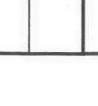
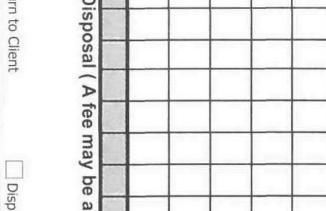
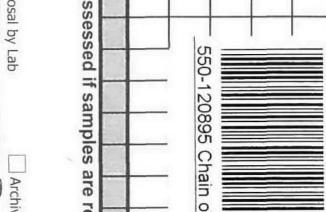
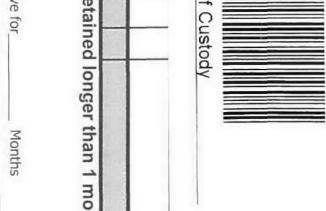
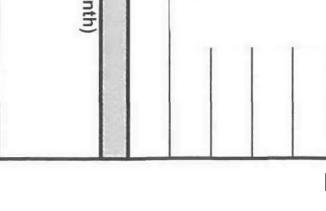
## Chain of Custody Record

**314437**

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING  
TestAmerica Laboratories, Inc.  
TAL-8210 (07/13)

120895

Client Contact		Regulatory Program:		<input type="checkbox"/> DW <input checked="" type="checkbox"/> XIDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:			
Company Name: <b>San Elijo JPA</b>		Project Manager: <b>Ken Baker</b>		Site Contact:		Date: <b>4/1/19</b>	
Address: <b>2005 Manhasset Ave.</b>		Tel/Fax:		Lab Contact:		COC No: <b>1 of 1 COCs</b>	
City/State/Zip: <b>Cardiff by the Sea</b>		Analysis Turnaround Time		Carrier:		Sampler:	
Phone: <b>760-757-XXXX</b>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		TAT if different from Below _____		For Lab Use Only:	
Fax:		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		2 weeks		Walk-in Client:	
Project Name:		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		1 week		Lab Sampling:	
Site:		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		2 days		Job / SDG No.:	
P O #		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		1 day			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N)
<b>SE Sludge Cake</b>		<b>4/1/19</b>	<b>10:15</b>	<b>Grob</b>	<b>Solid</b>	<b>4</b>	<b>X</b> <b>1. TS dry weight</b> <b>X</b> <b>Organic Nitrogen</b> <b>X</b> <b>Cu, Ca, Cr, Pb, Ag</b> <b>X</b> <b>Ni, Zn, As, Hg, Se, Mo</b> <b>X</b> <b>priority Pollutants</b>
							Sample Specific Notes:
Preservation Used: 1=Ice, 2=HCl, 3=H <sub>2</sub> SO <sub>4</sub> , 4=HNO <sub>3</sub> , 5=NaOH, 6= Other							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No							
Relinquished by: 							
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Custody Seal No.: <b>54100</b>		Cooler Temp (°C): Obsd: <b>5.4°C</b>		Cont'd: <b>Golden State</b>		Therm ID No.: <b>1230</b>	
Company: <b>San Elijo JPA</b>		Received by: 	Company: 	Date/Time: <b>4/10/2019</b>	Date/Time: <b>4/10/2019</b>	Date/Time: <b>4/10/2019</b>	Date/Time: <b>4/10/2019</b>
Comments: <b>5.4°C Golden State</b>		Received by: 	Company: 	Date/Time: <b>4/10/2019</b>	Date/Time: <b>4/10/2019</b>	Date/Time: <b>4/10/2019</b>	Date/Time: <b>4/10/2019</b>
Received in Laboratory by: 		Company:	Date/Time: <b>4/10/2019</b>				



550-120895 Chain of Custody

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## Login Sample Receipt Checklist

Client: San Elijo Joint Powers Auth.

Job Number: 550-120895-1

**Login Number: 120895****List Source: Eurofins TestAmerica, Phoenix****List Number: 1****Creator: Maycock, Lisa**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	